



**Universidad Nacional Autónoma de México.**

**FES Aragón.**

**Osorio Benavides Carlos Daniel.**

**Tarea #6. Firma.**

**Organización y administración de centros  
de cómputo.**

**Grupo: 2809.**

Creando archivo y guardando la primera firma.

```
tarea6 --zsh -- 110x30

return 0;
}

[carlosdanielob@MacBook-Air-de-Carlos tarea6 % ls
prueba.txt  tarea.c  tarea6.c  tarea6.c.sha256
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % pwd
/Users/carlosdanielob/Desktop/tarea6
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % shasum -a 1 tarea.c
2cfd15a92f43d716a8c7c142eaa89c29f19b51e2  tarea.c
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % nano firma.txt
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % cat firma.txt
tarea.c 1
2cfd15a92f43d716a8c7c142eaa89c29f19b51e2
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % nano tarea.c
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % cat tarea.c
#include <conio.h>
#include <stdio.h>

int main()
{
    printf("Hola2");

    retur n 0;
}

[carlosdanielob@MacBook-Air-de-Carlos tarea6 % shasu -a 1 tarea.c
zsh: command not found: shasu
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % shasum+ -a 1 tarea.c
zsh: command not found: shasum+
[carlosdanielob@MacBook-Air-de-Carlos tarea6 %
```

Realizando un cambio y guardando segunda firma.

```
tarea6 --zsh -- 110x30

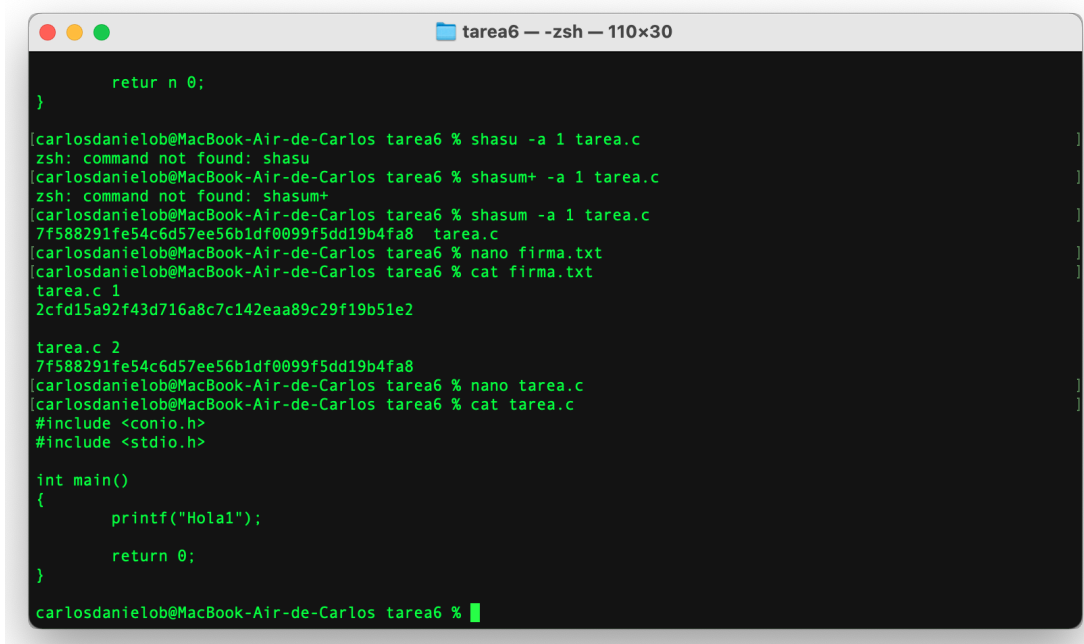
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % nano firma.txt
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % cat firma.txt
tarea.c 1
2cfd15a92f43d716a8c7c142eaa89c29f19b51e2
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % nano tarea.c
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % cat tarea.c
#include <conio.h>
#include <stdio.h>

int main()
{
    printf("Hola2");

    retur n 0;
}

[carlosdanielob@MacBook-Air-de-Carlos tarea6 % shasu -a 1 tarea.c
zsh: command not found: shasu
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % shasum+ -a 1 tarea.c
zsh: command not found: shasum+
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % shasum -a 1 tarea.c
7f588291fe54c6d57ee56b1df0099f5dd19b4fa8  tarea.c
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % nano firma.txt
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % cat firma.txt
tarea.c 1
2cfd15a92f43d716a8c7c142eaa89c29f19b51e2
tarea.c 2
7f588291fe54c6d57ee56b1df0099f5dd19b4fa8
[carlosdanielob@MacBook-Air-de-Carlos tarea6 %
```

Quitando el cambio realizado.



```
tarea6 --zsh -- 110x30

    retur n 0;
}

[carlosdanielob@MacBook-Air-de-Carlos tarea6 % shasum -a 1 tarea.c
]
zsh: command not found: shasum
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % shasum+ -a 1 tarea.c
]
zsh: command not found: shasum+
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % shasum -a 1 tarea.c
]
7f588291fe54c6d57ee56b1df0099f5dd19b4fa8  tarea.c
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % nano firma.txt
]
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % cat firma.txt
]
tarea.c 1
2cfd15a92f43d716a8c7c142eaa89c29f19b51e2

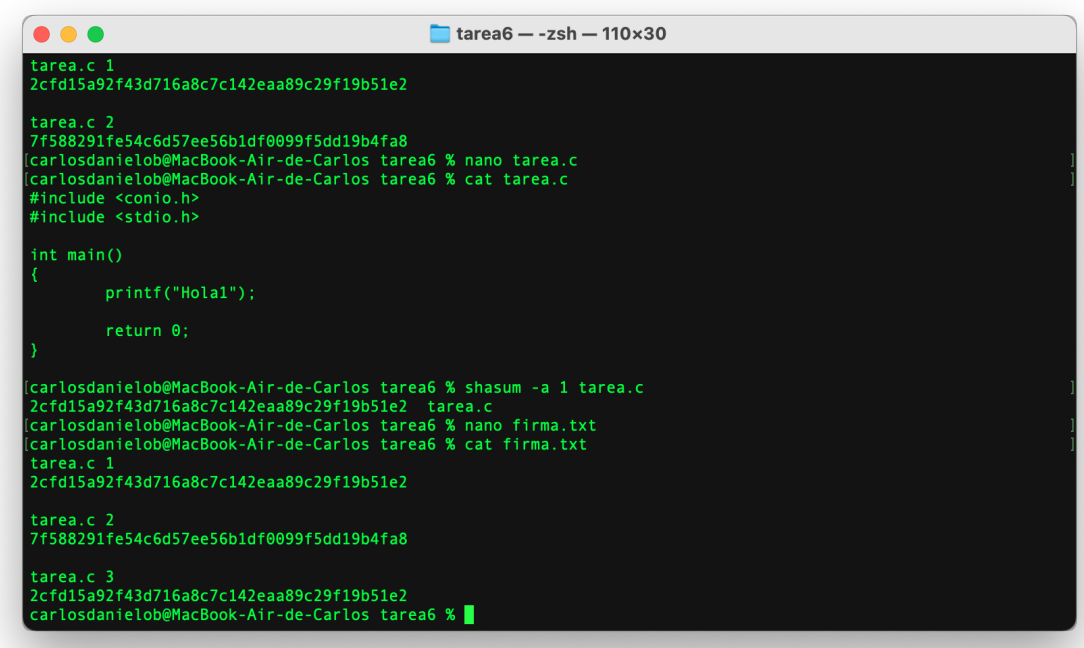
tarea.c 2
7f588291fe54c6d57ee56b1df0099f5dd19b4fa8
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % nano tarea.c
]
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % cat tarea.c
]
#include <conio.h>
#include <stdio.h>

int main()
{
    printf("Hola1");

    return 0;
}

[carlosdanielob@MacBook-Air-de-Carlos tarea6 % ]
```

Guardando la firma.



```
tarea6 --zsh -- 110x30

tarea.c 1
2cfd15a92f43d716a8c7c142eaa89c29f19b51e2

tarea.c 2
7f588291fe54c6d57ee56b1df0099f5dd19b4fa8
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % nano tarea.c
]
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % cat tarea.c
]
#include <conio.h>
#include <stdio.h>

int main()
{
    printf("Hola1");

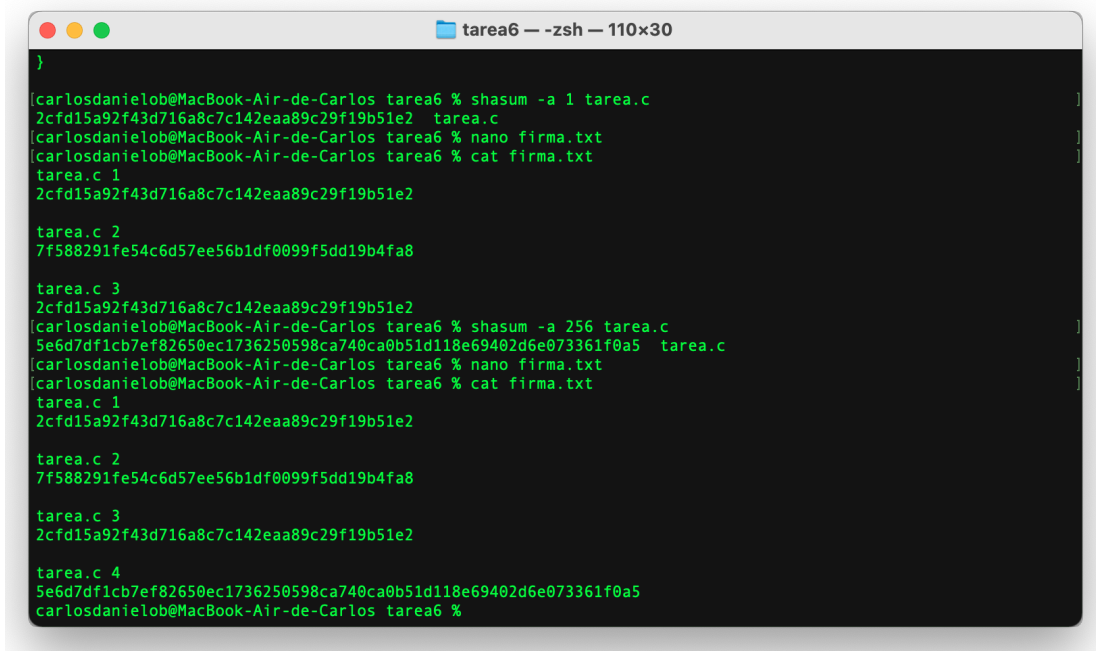
    return 0;
}

[carlosdanielob@MacBook-Air-de-Carlos tarea6 % shasum -a 1 tarea.c
]
2cfd15a92f43d716a8c7c142eaa89c29f19b51e2  tarea.c
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % nano firma.txt
]
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % cat firma.txt
]
tarea.c 1
2cfd15a92f43d716a8c7c142eaa89c29f19b51e2

tarea.c 2
7f588291fe54c6d57ee56b1df0099f5dd19b4fa8

tarea.c 3
2cfd15a92f43d716a8c7c142eaa89c29f19b51e2
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % ]
```

Por último se genera un hash con el sha256 y lo guardamos para comparar.



```
tarea6 - zsh - 110x30
}
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % shasum -a 1 tarea.c
2cfd15a92f43d716a8c7c142eaa89c29f19b51e2  tarea.c
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % nano firma.txt
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % cat firma.txt
tarea.c 1
2cfd15a92f43d716a8c7c142eaa89c29f19b51e2

tarea.c 2
7f588291fe54c6d57ee56b1df0099f5dd19b4fa8

tarea.c 3
2cfd15a92f43d716a8c7c142eaa89c29f19b51e2
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % shasum -a 256 tarea.c
5e6d7df1cb7ef82650ec1736250598ca740ca0b51d118e69402d6e073361f0a5  tarea.c
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % nano firma.txt
[carlosdanielob@MacBook-Air-de-Carlos tarea6 % cat firma.txt
tarea.c 1
2cfd15a92f43d716a8c7c142eaa89c29f19b51e2

tarea.c 2
7f588291fe54c6d57ee56b1df0099f5dd19b4fa8

tarea.c 3
2cfd15a92f43d716a8c7c142eaa89c29f19b51e2

tarea.c 4
5e6d7df1cb7ef82650ec1736250598ca740ca0b51d118e69402d6e073361f0a5
carlosdanielob@MacBook-Air-de-Carlos tarea6 %
```